

## Farmer Reported Genetically Modified Varieties

The National Agricultural Statistics Service conducts June Agricultural Surveys in all states each year. Randomly selected farmers across the United States were asked if they planted seed that, through biotechnology, was resistant to herbicides, insects, or both. The States published individually in the following tables represent 81 percent of all corn planted acres, 89 percent of all soybean planted acres, and 81 percent of all Upland cotton planted acres.

The following tables are based on the responses from the June 2000 Agricultural Survey. Herbicide resistant varieties include only those developed using biotechnology. Conventionally bred herbicide resistant varieties were excluded from the survey. Insect resistant varieties include only those containing bacillus thuringiensis (Bt.). Stacked gene varieties include those containing genetically modified (GM) traits for both herbicide and insect resistance.

The estimates are subject to sampling variability because all operations planting genetically modified varieties are not included in the sample. The variability for the 48 corn States, as measured by the relative standard error at the U.S. level, is approximately 2.0 percent for all GM varieties, 2.3 percent for insect resistant (Bt) only varieties, 4.5 percent for herbicide resistant only varieties, and 8.3 percent for stacked gene varieties. This means that chances are approximately 95 out of 100 that survey estimates will be within plus or minus 4.0 percent for all GM varieties, 4.6 percent for insect resistant (Bt) only varieties, 9.0 percent for herbicide resistant varieties, and 16.6 percent for stacked gene varieties.

The variability for the 31 soybean States is approximately 1.1 percent for herbicide resistant varieties. The variability for the 17 Upland cotton States is approximately 1.8 percent for all GM varieties, 4.8 percent for insect resistant (Bt) only varieties, 3.7 percent for herbicide resistant only varieties, and 3.7 percent for stacked gene varieties.

**Soybeans: Farmer Reported Genetically Modified (GM) Varieties,  
by State and United States, Percent of All Soybean Planted Acres, 2000**

State	Herbicide Resistant Only <i>Percent</i>	All GM Varieties <i>Percent</i>
AR	43	43
IL	44	44
IN	63	63
IA	59	59
KS	66	66
MI	50	50
MN	46	46
MS	48	48
MO	62	62
NE	72	72
ND	22	22
OH	48	48
SD	68	68
WI	51	51
Oth Sts <sup>1</sup>	54	54
US	54	54

<sup>1</sup> Other States includes all other States in the soybean estimating program.

**Corn: Farmer Reported Genetically Modified (GM) Varieties,  
by State and United States, Percent of All Corn Planted Acres, 2000**

State	Insect Resistant (Bt) Only	Herbicide Resistant Only	Stacked Gene Varieties	All GM Varieties
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
IL	13	3	1	17
IN	7	4	*	11
IA	23	5	2	30
KS	25	7	1	33
MI	8	4	*	12
MN	28	7	2	37
MO	20	6	2	28
NE	24	8	2	34
OH	6	3	*	9
SD	35	11	2	48
WI	13	4	1	18
Oth Sts <sup>1</sup>	10	6	1	17
US	18	6	1	25

\*Data rounds to less than 0.5 percent.

<sup>1</sup> Other States includes all other States in the corn estimating program.

**Upland Cotton: Farmer Reported Genetically Modified (GM) Varieties,  
by State and United States, Percent of Upland Cotton Planted Acres, 2000**

State	Insect Resistant (Bt) Only	Herbicide Resistant Only	Stacked Gene Varieties	All GM Varieties
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AR	33	23	14	70
CA	3	17	4	24
GA	18	32	32	82
LA	37	13	30	80
MS	29	13	36	78
NC	11	29	36	76
TX	7	33	6	46
Oth Sts <sup>1</sup>	17	21	36	74
US	15	26	20	61

<sup>1</sup> Other States includes all other States in the cotton estimating program.